

Project Report

SIMPLE BANK

A CCL mini project based on internet banking management system



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Introduction

Through this project work, we aim to create a simplified version of a banking application. The application will act as a portal which provides its users with various banking facilities like account management and transaction management. The aim is to learn how to create an application which uses a database in its backend. We also plan to make the application safe and secure so that it is not susceptible to vulnerabilities and security attacks.

Approach

We have divided the project work in the following stages:

1. We will first decide the tables and the respective attributes needed for our database.
2. We will then sketch an ER diagram of the database.
3. We will then plan out the appropriate screens needed for our application.
4. We will then move on to the programming part of the application.
5. We will then create the associated tests for our application to ensure that it works correctly.

Hardware Specification

- PC with 2 GB hard-disk and 256 MB RAM

Software Specification

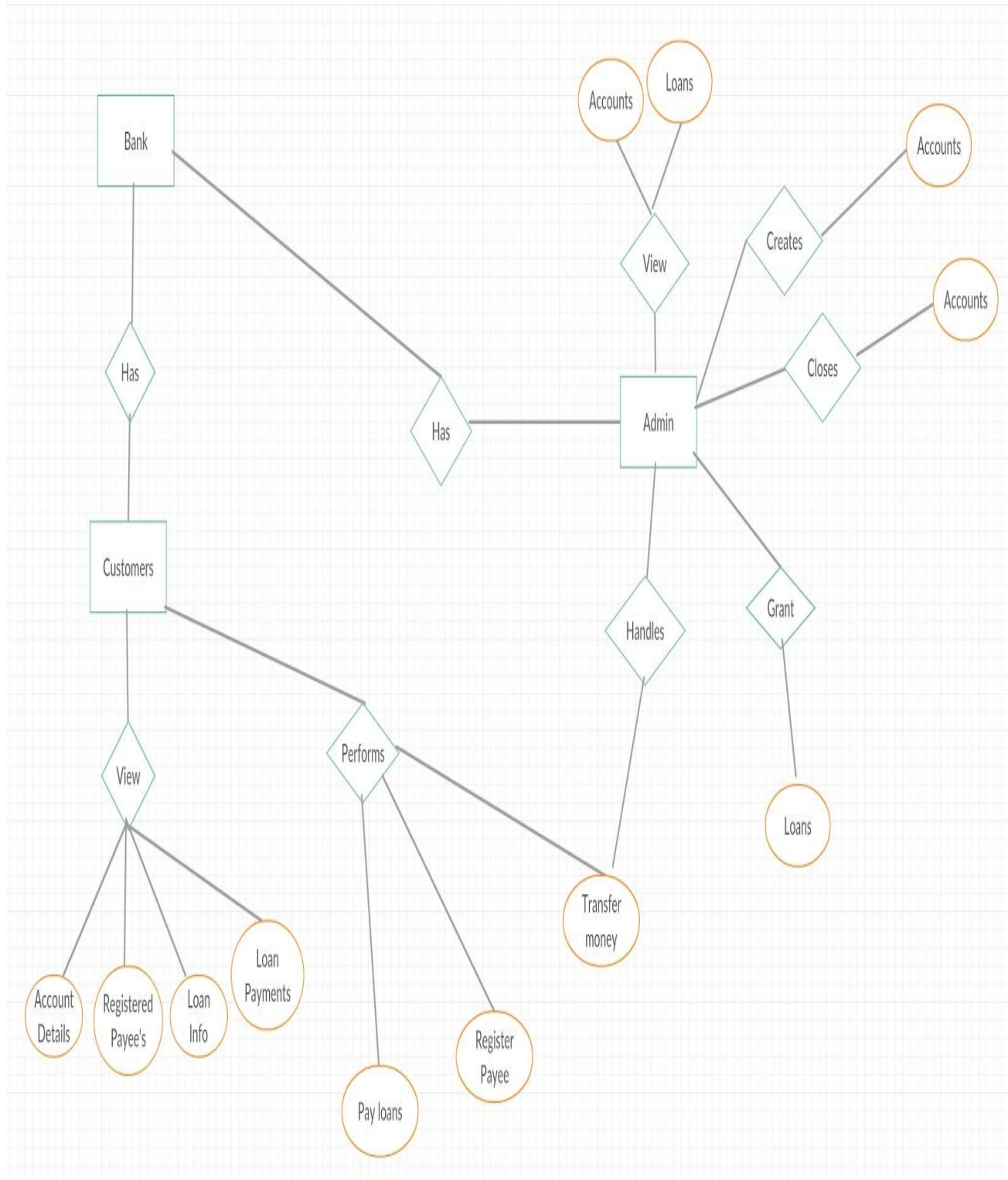
- Xampp - 7.1.1
- MySQL
- Sublime Text Editor

Database Design

Our database will consist of the following tables:

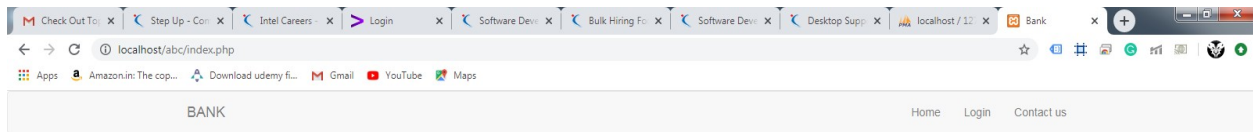
Table Name	Attributes	Functionality
Accounts	Id, accname, accno,accifsc, accemail, accpassword, acctype,accbalance, accdate	Details of all types of customer accounts
Branch	Ifsccode, branchname, city, branchaddress, state, country, pincode	Details of the branches of the bank
Loan	Id, accno, loantype, loanamt, loan_rem, interest, loandate	Details of all the loans issued by the bank
Loanpayment	Id, loantype, amount, from_acc, payment_date	Details of the all the loan payments by customers
Payee	Id, name, accno, acctype, ifsccode, registered_in	Details of payee registered by customers
Transactions	Id, payee_name, from_acc, Amount, trans_date	Details of all the transactions by customers
Users	Id, name, email, password	Login details of the customers

E-R Diagram

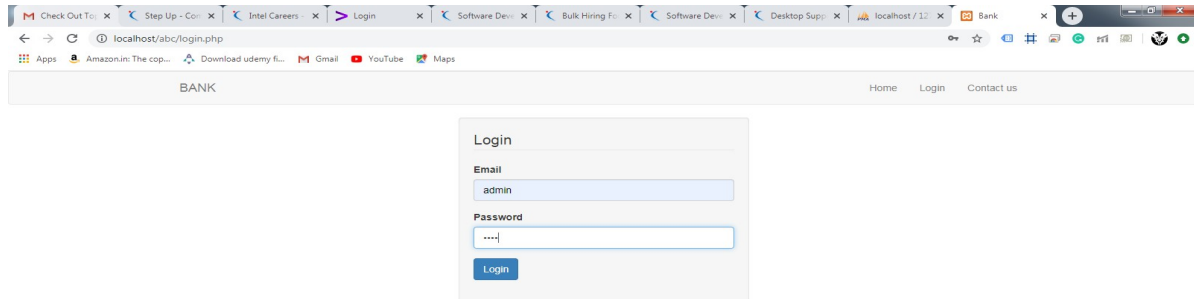


Screenshots

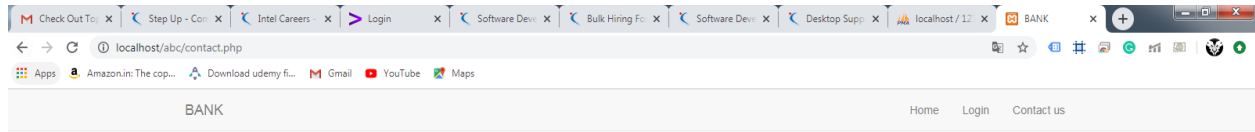
Homepage



Login Screen



Contact Us



Contact us

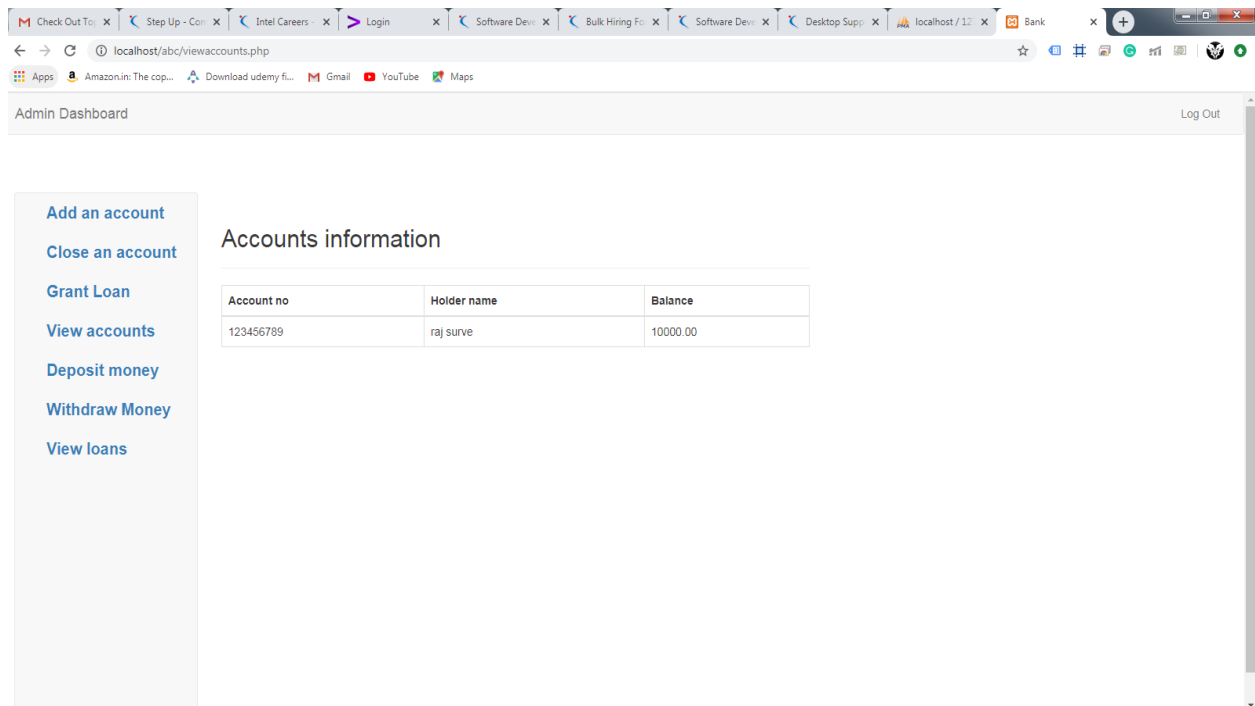
Lokmanya nagar:

Bank,
Lokmanya Nagar,
Maharashtra,
400606,
India.

Head office:

Bank,
Wagle Estate,
Maharashtra,
400604,
India.

Admin Panel



Customer DashBoard

Check Out To x Step Up - Con x Intel Careers x Login x Software Dev x Bulk Hiring F x Software Dev x Desktop Supp x localhost / 12 x Bank x

localhost/abc/payee.php

Apps Amazon.in: The cop... Download udemy fi... Gmail YouTube Maps

Bank Log Out

Welcome, raj surve

Account details

My Transactions

Transfer Amount

Register a payee

Remove Payee

Pay loans

Loan payments

Loan info

Register a Payee

Full Name *

Enter your name

Account number *

Enter account number

Account type *

Savings

IFSC Code *

Enter IFSC Code

Submit

localhost/abc/transactions.php

Sample Codes

Addaccount.php

```
<?php
session_start();
include 'includes/dbconnect.php';

$success = "";

if(isset($_POST['submit'])){

    $accname = $_POST['accname'];
    $accno = $_POST['accno'];
    $accifsc = $_POST['accifsc'];
    $accemail = $_POST['accemail'];
    $accpassword = $_POST['accpassword'];
    $acctype = $_POST['acctype'];
    $accbalance = $_POST['accbalance'];
    $accddate = date('y-m-d');
    $ins_sql = "INSERT INTO accounts(accname, accno, accifsc, accemail,
accpassword, acctype, accbalance, accdate) VALUES ('".$accname."', '".$accno."', '".$accifsc."',
"'.$accemail."', '".md5($accpassword)."', '".$acctype."', '".$accbalance."', '".$accddate."')";
    $run_sql = mysqli_query($con,$ins_sql);
    $in_sql = "INSERT INTO users(name, email, password) VALUES
('".$accname."', '".$accemail."', '".md5($accpassword)."'");
    $ru_sql = mysqli_query($con,$in_sql);

    $success = "Account added successfully!";

}
?>
<!DOCTYPE html>
<html>
<head>
    <title>Bank</title>
    <link rel="stylesheet" href="css/custom.css">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.0/jquery.min.js"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
</head>
<body>

<nav class="navbar navbar-default" role="navigation">
    <div class="container-fluid">
```

```

        <div class="navbar-header">
            <button type="button" class="navbar-toggle" data-toggle="collapse"
data-target="#navbar1">
                <span class="sr-only">Toggle navigation</span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
            </button>
            <a class="navbar-brand" href="admin.php">Admin Dashboard</a>
        </div>
        <div class="collapse navbar-collapse" id="navbar1">
            <ul class="nav navbar-nav navbar-right">
                <?php if (isset($_SESSION['usr_id'])) { ?>

                    <li><a href="logout.php">Log Out</a></li>
                    <?php } else { ?>
                    <li><a href="login.php">Login</a></li>
                    <?php } ?>

                </ul>
            </div>
        </div>
</nav>

<div style="width: 50px; height: 50px;"></div>
<div class="col-lg-2">
    <ul class="navbar navbar-default nav" style="height: 650px;">

        <li><a href="addaccount.php"><span style="margin-left: 25px; margin-top:20px;
font-size: 20px;"><b>Add an account</b></span></a></li>
        <li><a href="deleteaccount.php"><span style="margin-left: 25px; margin-top:
20px; font-size: 20px;"><b>Close an account</b></span></a></li>
        <li><a href="grantloan.php"><span style="margin-left: 25px; margin-top: 20px;
font-size: 20px;"><b>Grant Loan</b></span></a></li>
        <li><a href="viewaccounts.php"><span style="margin-left: 25px; margin-top:
20px; font-size: 20px;"><b>View accounts</b></span></a></li>
        <li><a href="depositmoney.php"><span style="margin-left: 25px; margin-top:
20px; font-size: 20px;"><b>Deposit money</b></span></a></li>
        <li><a href="withdrawmoney.php"><span style="margin-left: 25px; margin-top:
20px; font-size: 20px;"><b>Withdraw Money</b></span></a></li>
        <li><a href="viewloans.php"><span style="margin-left: 25px; margin-top: 20px;
font-size: 20px;"><b>View loans</b></span></a></li>
    </ul>
</div>

<div class="container">
    <article class="row">
        <section class="col-lg-8">
            <div class="page-header">

```

```

        <h2>Add an account</h2>
    </div>
    <form class="form-horizontal" action="addaccount.php" method="post"
role="form">
        <div class="form-group">
            <label for="name" class="col-sm-3 control-label">Full
Name *</label>
                <div class="col-sm-8">
                    <input type="text" name="accname"
class="form-control" placeholder="Enter your name" id="accname" required>
                </div>
            </div>
            <div class="form-group">
                <label for="number" class="col-sm-3
control-label">Account number *</label>
                    <div class="col-sm-8">
                        <input type="text" name="accno"
class="form-control" placeholder="Enter account number" id="accnumber" required>
                    </div>
                </div>
            <div class="form-group">
                <label for="number" class="col-sm-3 control-label">IFSC
Code *</label>
                    <div class="col-sm-8">
                        <input type="text" name="accifsc"
class="form-control" placeholder="Enter IFSC Code" id="accifsc" required>
                    </div>
                </div>
            <div class="form-group">
                <label for="number" class="col-sm-3
control-label">Email-address *</label>
                    <div class="col-sm-8">
                        <input type="email" name="accemail"
class="form-control" placeholder="Enter Email-address" id="accemail" required>
                    </div>
                </div>
            <div class="form-group">
                <label for="number" class="col-sm-3
control-label">Password *</label>
                    <div class="col-sm-8">
                        <input type="password"
name="accpassword" class="form-control" placeholder="Enter password" id="accpassword"
required>
                    </div>
                </div>
            <div class="form-group">
                <label for="name" class="col-sm-3 control-label">Account
type *</label>

```

```

                                <div class="col-sm-8">
                                    <select class="form-control"
name="acctype" id="acctype">
                                        <option>Savings</option>
                                        <option>Current</option>
                                    </select>
                                </div>
                            </div>
                            <div class="form-group">
                                <label for="number" class="col-sm-3
control-label">Account balance *</label>
                                <div class="col-sm-8">
                                    <input type="text" name="accbalance"
class="form-control" placeholder="Enter the balance" id="accbalance" required>
                                </div>
                            </div>
                            <div class="form-group">
                                <label class="col-sm-3 control-label"></label>
                                <div class="col-sm-8">
                                    <input type="submit" id="submit" name="submit" value =
"Submit" class="btn btn-block btn-primary">
                                </div>
                            </div>
                            <div class="form-group">
                                <label class="col-sm-3 control-label"></label>
                                <div class="col-sm-8">
                                    <h4><?php echo $success ?></h4>
                                </div>
                            </div>
                        </div>
                    </article></form></section></article></div>
</body>
</html>

```

Limitations

Our system aims at ultimate user satisfaction. But due to certain constraints, there remain a few drawbacks. A person interested in withdrawing or depositing funds has to do it manually by visiting their respective traditional bank. Moreover for the creation of a new account, a person has to visit the bank in reality with original documents. This provision is kept to prevent the creation of fake accounts.

Conclusion

This was a small attempt from our side to create a prototype of a system, vital nowadays in everyone's life. In spite of its drawbacks, hope it will serve the people upto a certain extent and on our side we shall try to enhance the system for the betterment of society.